Applicants : Wolfgang Theilmann, et al.
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Filed : March 25, 2004
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Attorney's Docket No.: 13909-161001
Client Ref.: 2004P00116US

AMENDMENTS TO THE CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

LISTING OF THE CLAIMS:

1. (Currently Amended) A method, performed by one or more processing devices, for use in an electronic learning system that stores information as learning objects, the method comprising:

designating a target learning object as a project object; and

storing version dependency data in the project object, the version dependency data identifying versions of other learning objects upon which the project object depends, the other learning objects including at least a version of a first object upon which the project object directly depends, and a version of a second object upon which the project object indirectly depends, the project object being an object that is separate from the first object and the second object;

wherein the other learning objects, including versions of the first and second objects, do not store version dependency data, and wherein the other learning objects store dependency data that identifies an object dependency but that does not identify a version dependency, the other learning objects relying on version dependency data in the project object for identification of version dependency.

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2. (Cancelled)

3. (Original) The method of claim 1, wherein designating comprises storing data in the project object that indicates that the target learning object is the project object.

4. (Previously Presented) The method of claim 1, wherein the target learning object comprises a portal to additional learning objects in the electronic learning system.

5. (Previously Presented) The method of claim 1, wherein the additional learning objects define a course offered via the electronic learning system.

6. (Original) The method of claim 4, wherein the target learning object comprises a glossary of a course.

7. (Previously Presented) The method of claim 1, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the method further comprises:

identifying learning objects upon which the project object depends;

moving the project object and learning objects upon which the project object depends between the local repository and the master repository.

8. (Original) The method of claim 1, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the method further comprises:

copying the version of the first object from the master repository to the local repository without copying the project object to the local repository; and

resolving dependencies associated with the version of the first object in accordance with a predefined rule.

9. (Original) The method of claim 8, wherein the version of the first object depends on the second object, and resolving comprises making the version of the first object depend on a most current version of the second object in the local repository.

10. (Previously Presented) The method of claim 1, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the method further comprises:

copying the project object, the version of the first object, and the version of the second object from the master repository to the local repository;

creating a second version of the first object; and

updating the version dependency data in the project object to reference the second version of the first object.

11. (Original) The method of claim 1, wherein at least one of the first and second objects stores information about a dependent object.

12. (Original) The method of claim 11, wherein the information comprises an identity of the dependent object.

13. (Original) The method of claim 1, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the method further comprises:

copying the version of the first object from the master repository to the local repository without copying the project object to the local repository; and

resolving dependencies associated with the version of the first object in favor of current versions of objects on which the first object depends.

14. (Currently Amended) A computer program product for use in an electronic learning system that stores information as learning objects, the computer program product being ~~tangibly~~ embodied in a tangible computer-readable medium ~~an information carrier~~, the computer program product being operable to cause one or more machines to:

designate a target learning object as a project object; and

store version dependency data in the project object, the version dependency data identifying versions of other learning objects upon which the project object depends, the other

learning objects including at least a version of a first object upon which the project object

directly depends, and a version of a second object upon which the project object indirectly

depends, the project object being an object that is separate from the first object and the second

object;

wherein the other learning objects, including <u>versions of</u> the first and second objects, do

not store version dependency data, wherein the other learning objects store dependency data that

identifies an object dependency but that does not identify a version dependency, the other

learning objects relying on the version dependency data in the project object for identification of

version dependency.

15. (Cancelled)

16. (Original) The computer program product of claim 14, wherein designating

comprises storing data in the project object that indicates that the target learning object is the

project object.

17. (Previously Presented) The computer program product of claim 14, wherein the

target learning object comprises a portal to additional learning objects in the electronic learning

system.

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18. (Previously Presented) The computer program product of claim 14, wherein the additional learning objects define a course offered via the electronic learning system.

19. (Previously Presented) The computer program product of claim 14, wherein the target learning object comprises a glossary of a course.

20. (Previously Presented) The computer program product of claim 14, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the computer program product further comprises instructions operable to cause the one or more machines to:

identify learning objects upon which the project object depends;

move the project object and learning objects upon which the project object depends between the local repository and the master repository.

21. (Previously Presented) The computer program product of claim 14, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the computer program product further comprises instructions operable to cause the one or more machines to:

copy the version of the first object from the master repository to the local repository without copying the project object to the local repository; and

resolve dependencies associated with the version of the first object in accordance with a predefined rule.

22. (Original) The computer program product of claim 14, wherein the version of the first object depends on the second object, and resolving comprises making the version of the first object depend on a most current version of the second object in the local repository.

23. (Previously Presented) The computer program product of claim 14, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the computer program product further comprises instructions operable to cause the one or more machines to:

copy the project object, the version of the first object, and the version of the second object from the master repository to the local repository;

create a second version of the first object; and

update the version dependency data in the project object to reference the second version of the first object.

24. (Original) The computer program product of claim 14, wherein at least one of the first and second objects stores information about a dependent object.

25. (Original) The computer program product of claim 14, wherein the information comprises an identity of the dependent object.

26. (Previously Presented) The computer program product of claim 14, wherein the electronic learning system comprises a master repository that stores globally-available learning objects and a local repository that stores locally-available learning objects, and the computer program product further comprises instructions to cause the one or more machines to:

copy the version of the first object from the master repository to the local repository without copying the project object to the local repository; and

resolve dependencies associated with the version of the first object in favor of current versions of objects on which the first object depends.

27. (Previously Presented) The method of claim 1, wherein the version of the first object and the version of the second object store object dependency data but not version dependency data, wherein the object dependency data for the version of the first object identifies one or more first learning objects upon which the version of the first object depends but does not identify versions of the one or more first learning objects, and wherein object dependency data for the version of the second object identifies one or more second learning objects upon which the version of the second object depends but does not identify versions of the one or more second learning objects.

28. (Previously Presented) The computer program product of claim 14, wherein the version of the first object and the version of the second object store object dependency data but not version dependency data, wherein the object dependency data for the version of the first object identifies one or more first learning objects upon which the version of the first object depends but does not identify versions of the one or more first learning objects, and wherein object dependency data for the version of the second object identifies one or more second learning objects upon which the version of the second object depends but does not identify versions of the one or more second learning objects.